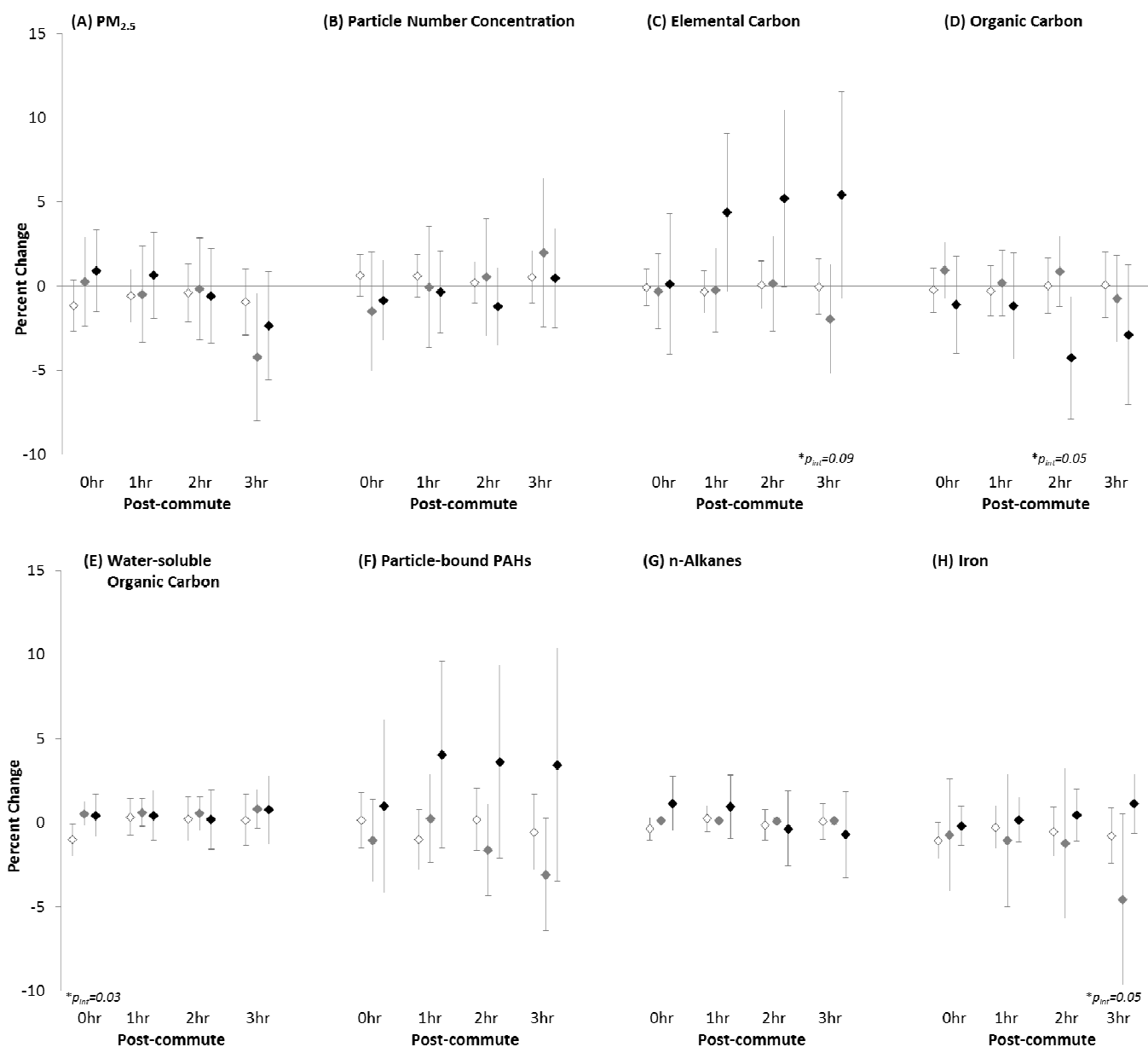
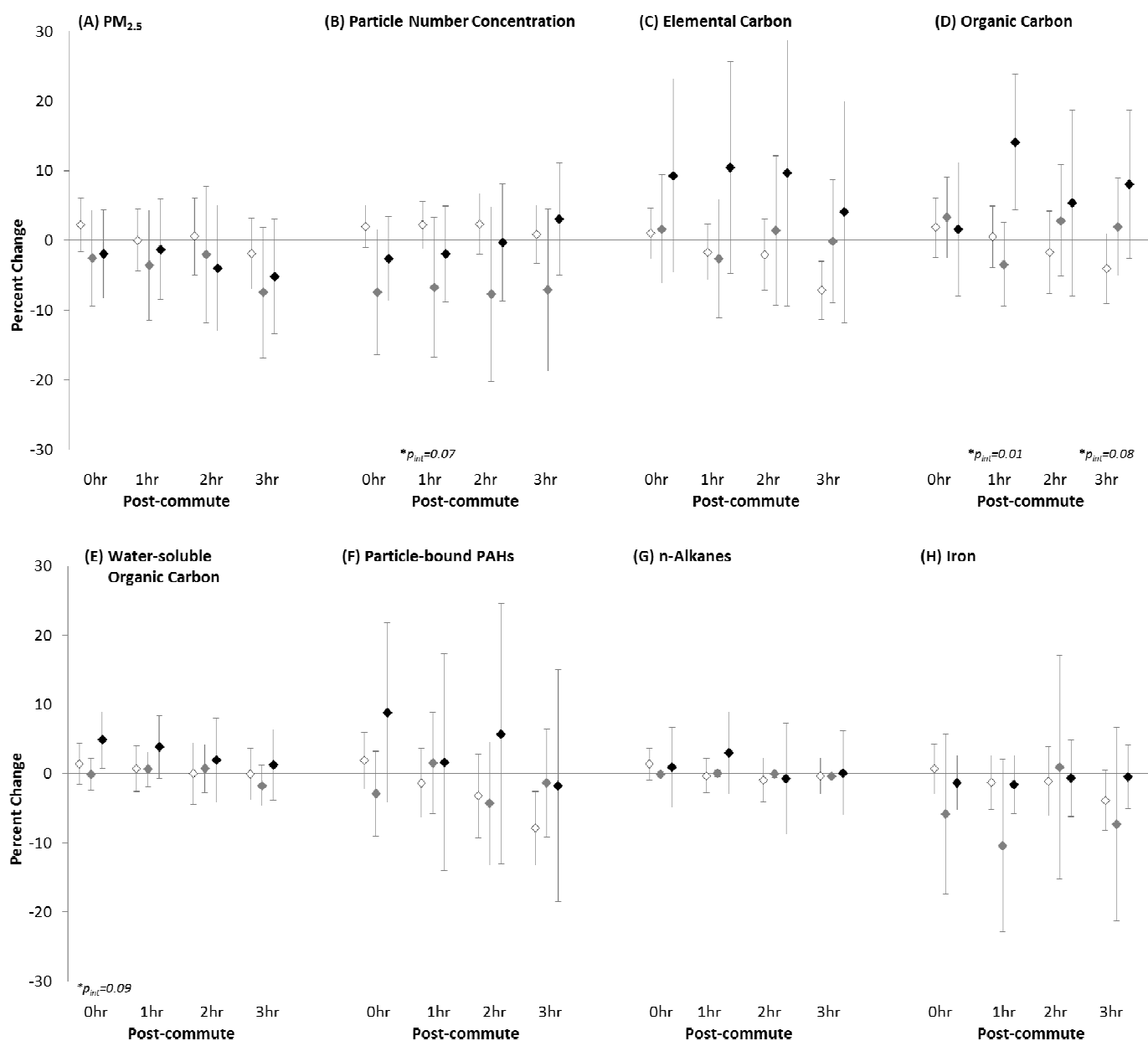


**Figure S1.** Percentage change (with 95% CI) in malondialdehyde concentrations associated with each interquartile range increase in pollutant concentration, by level of asthma control. Post-commute changes are shown relative to pre-commute measurements among participants without asthma ( $\diamond$ ), above-median asthma control ( $\blacklozenge$ ), and below-median asthma control ( $\blacklozenge$ ). Upper confidence limits (UCLs) are not shown for estimates among participants with below-median asthma control for associations with elemental carbon 3 hours post-commute (UCL: 277.8) and particle-bound PAHs 2 hours post-commute (UCL: 366.7). Asterisks (\*) indicate p-value for interaction ( $p_{int}$ ) < 0.10.



**Figure S2.** Change (with 95% CI) in FVC % predicted values associated with each interquartile range increase in pollutant concentration, by level of asthma control. Post-commute changes in FVC % predicted shown are percentage points above or below pre-commute % predicted values among participants without asthma ( $\diamond$ ), above-median asthma control ( $\blacklozenge$ ), and below-median asthma control ( $\blacklozenge$ ). Asterisks (\*) indicate p-value for interaction ( $p_{int}$ ) < 0.10



**Figure S3.** Change (with 95% CI) in FEF<sub>25-75</sub> % predicted values associated with each interquartile range increase in pollutant concentration, by level of asthma control. Post-commute changes in FEF<sub>25-75</sub> % predicted shown are percentage points above or below pre-commute % predicted values among participants without asthma (◇), above-median asthma control (◐), and below-median asthma control (◑). Asterisks (\*) indicate p-value for interaction ( $p_{int}$ ) < 0.10.